

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042978.D
 Acq On : 09 Aug 2024 07:36
 Operator : JC/MD
 Sample : P3458-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MLS-15-224-239

Quant Time: Aug 09 08:36:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

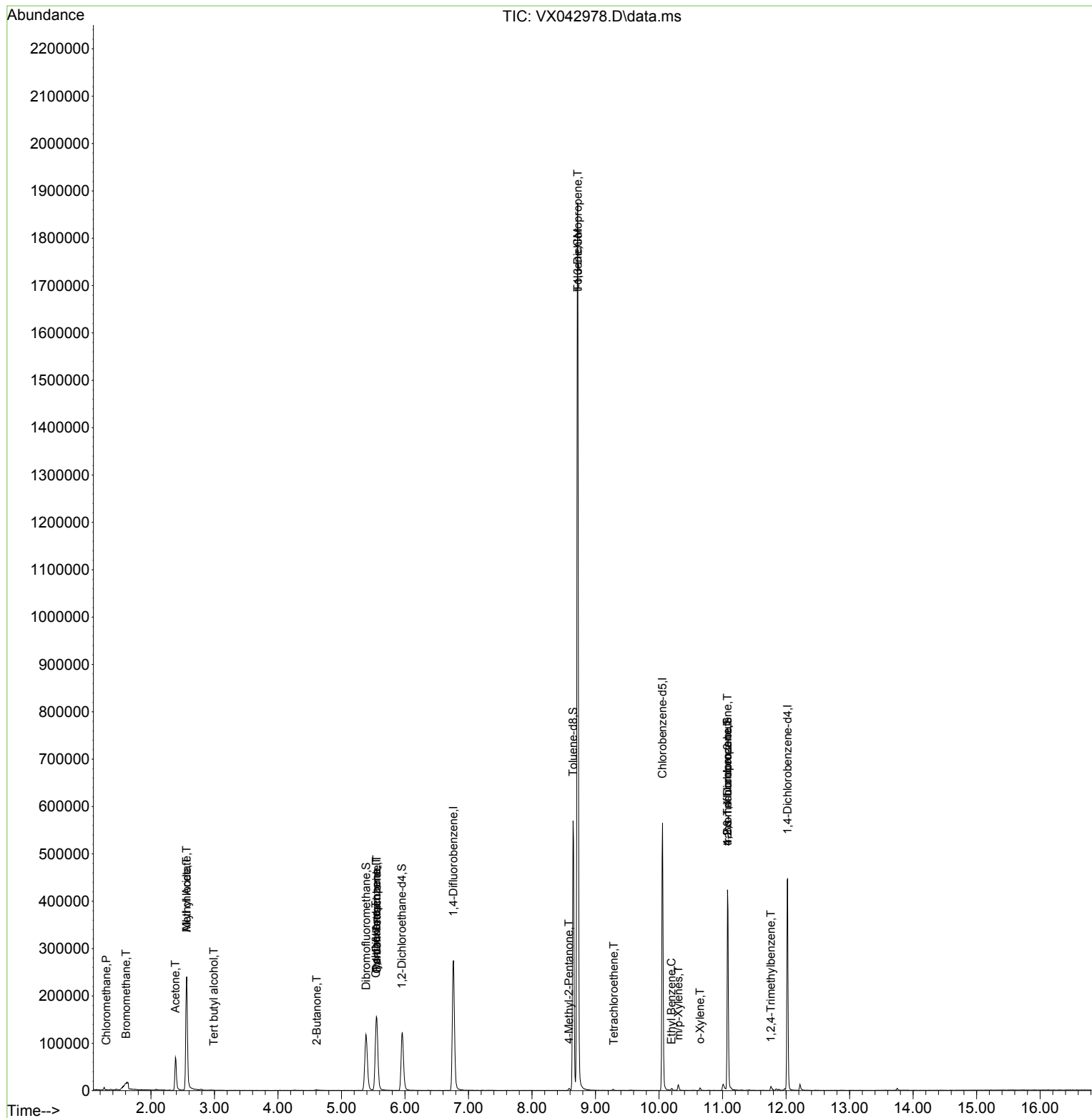
Internal Standards						
1) Pentafluorobenzene	5.550	168	150250	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	283033	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	124780	60.495	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 121.000%#			
35) Dibromofluoromethane	5.385	113	104330	56.376	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.760%			
50) Toluene-d8	8.647	98	342073	52.068	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.140%			
62) 4-Bromofluorobenzene	11.079	95	110842	46.951	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.900%			
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	705	0.400	ug/l	93
5) Bromomethane	1.605	94	593	0.585	ug/l #	54
11) Tert butyl alcohol	2.989	59	474	1.155	ug/l #	78
14) Allyl chloride	2.562	41	26020	10.398	ug/l #	76
16) Acetone	2.386	43	79335	88.677	ug/l	94
18) Methyl Acetate	2.562	43	66142	23.314	ug/l #	53
20) Methylene Chloride	2.788	84	935	Below Cal	#	62
25) 2-Butanone	4.611	43	3155	2.246	ug/l	96
31) Cyclohexane	5.544	56	2854	1.106	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12048	4.802	ug/l #	52
38) Carbon Tetrachloride	5.556	117	15545	5.488	ug/l #	15
51) 4-Methyl-2-Pentanone	8.580	43	2899	0.932	ug/l	96
52) Toluene	8.720	92	726073	153.716	ug/l	95
53) t-1,3-Dichloropropene	8.720	75	8656	3.474	ug/l #	1
64) Tetrachloroethene	9.287	164	408	0.226	ug/l #	69
67) Ethyl Benzene	10.195	91	2650	0.286	ug/l	93
68) m/p-Xylenes	10.305	106	2964	0.837	ug/l	88
69) o-Xylene	10.646	106	1256	0.354	ug/l	76
76) 1,2,3-Trichloropropane	11.079	75	57851	26.389	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57851	85.806	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.762	105	3308	0.563	ug/l #	33

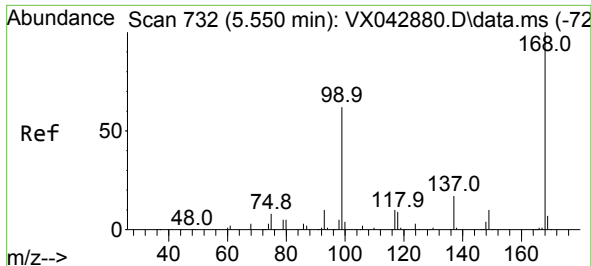
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

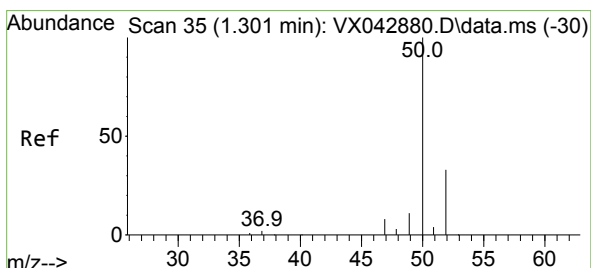
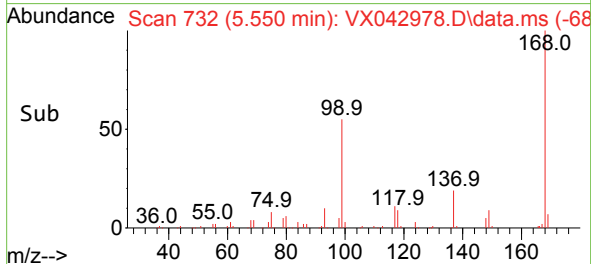
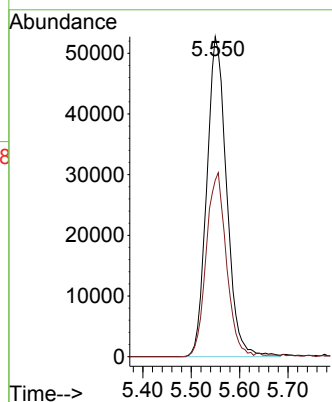
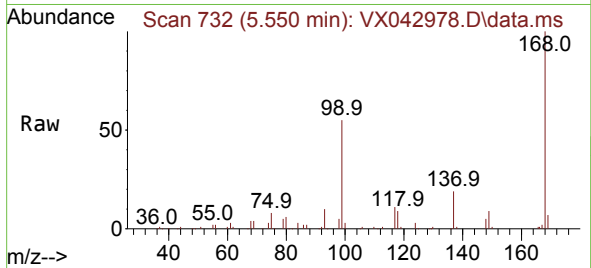




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

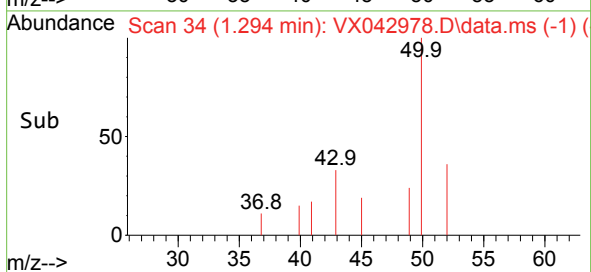
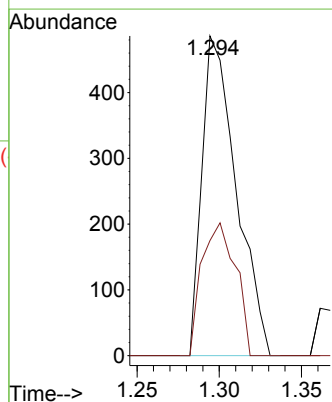
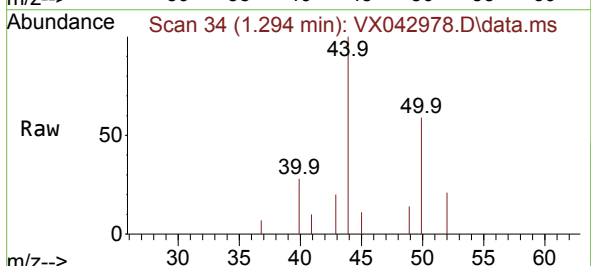
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-224-239

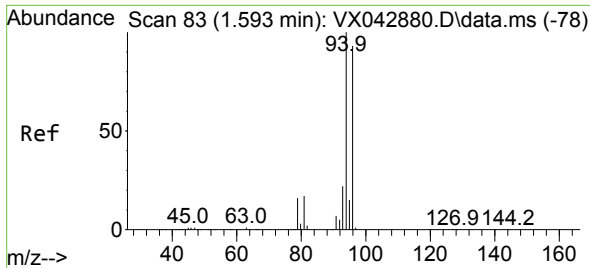
Tgt Ion:168 Resp: 150250
Ion Ratio Lower Upper
168 100
99 55.2 56.6 85.0#



#3
Chloromethane
Concen: 0.400 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 50 Resp: 705
Ion Ratio Lower Upper
50 100
52 36.0 25.5 38.3

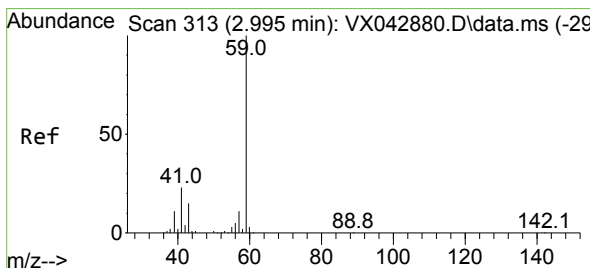
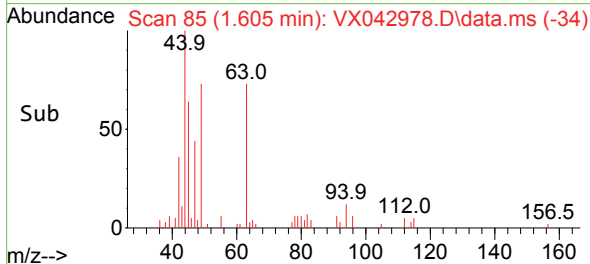
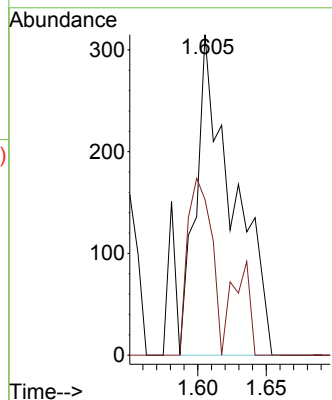
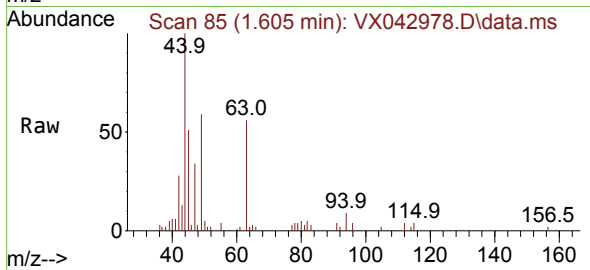




#5
Bromomethane
Concen: 0.585 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

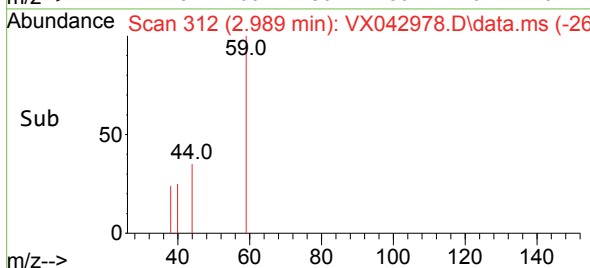
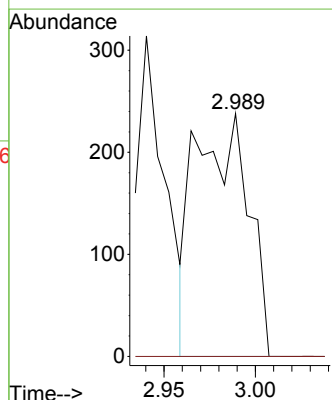
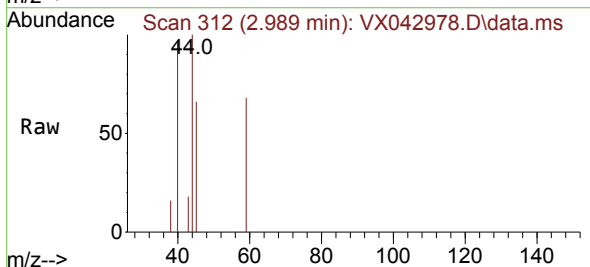
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-224-239

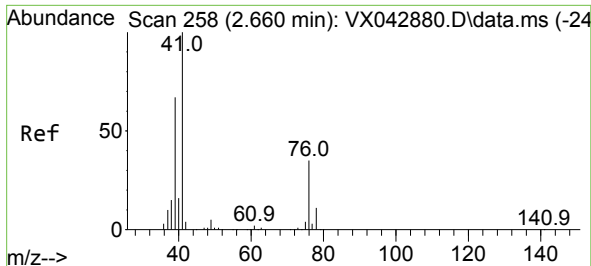
Tgt Ion: 94 Resp: 593
Ion Ratio Lower Upper
94 100
96 48.6 74.6 111.8#



#11
Tert butyl alcohol
Concen: 1.155 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

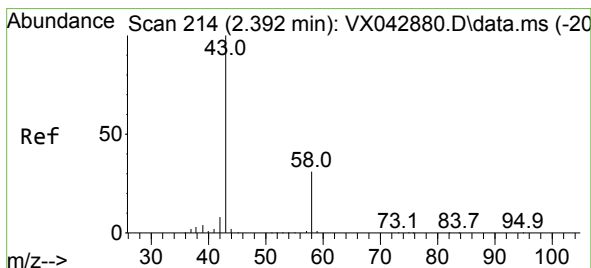
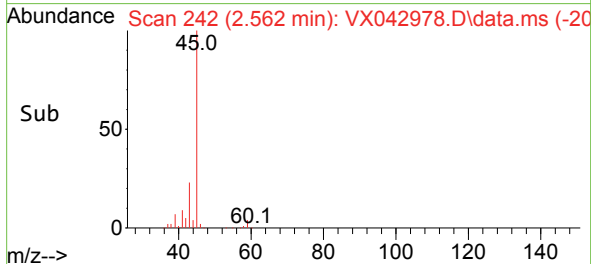
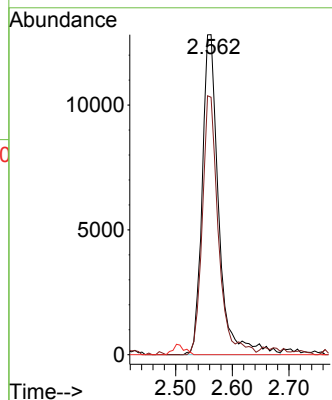
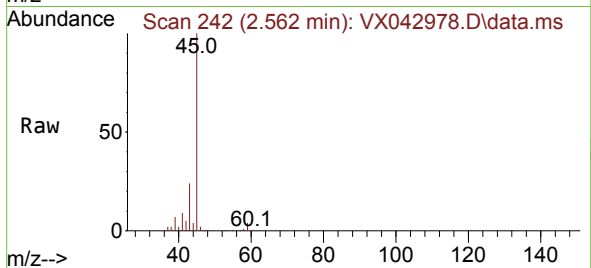




#14
 Allyl chloride
 Concen: 10.398 ug/l
 RT: 2.562 min Scan# 24
 Delta R.T. -0.098 min
 Lab File: VX042978.D
 Acq: 09 Aug 2024 07:36

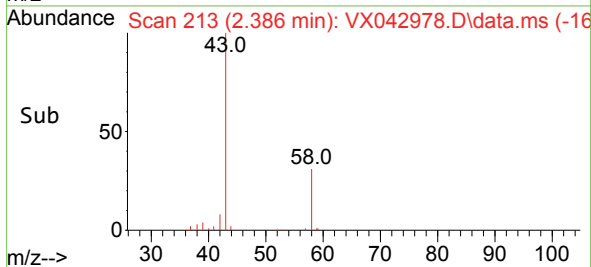
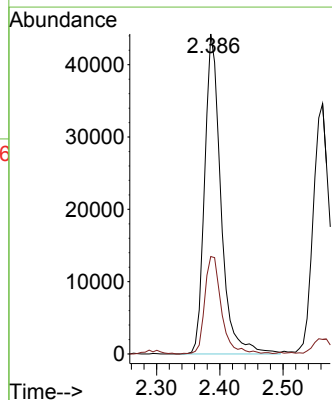
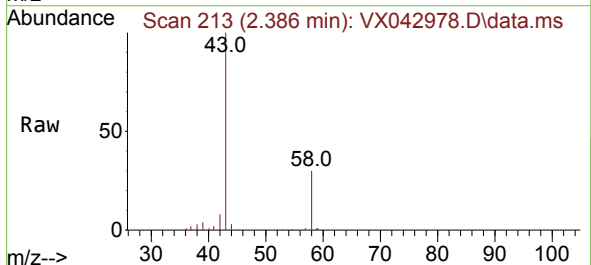
Instrument :
 MSVOA_X
 ClientSampleId :
 MLS-15-224-239

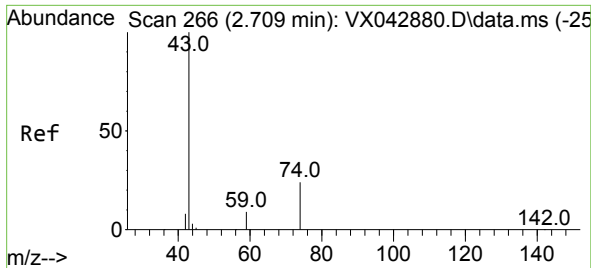
Tgt Ion: 41 Resp: 26020
 Ion Ratio Lower Upper
 41 100
 39 78.4 55.8 83.6
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 88.677 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX042978.D
 Acq: 09 Aug 2024 07:36

Tgt Ion: 43 Resp: 79335
 Ion Ratio Lower Upper
 43 100
 58 30.4 21.9 32.9

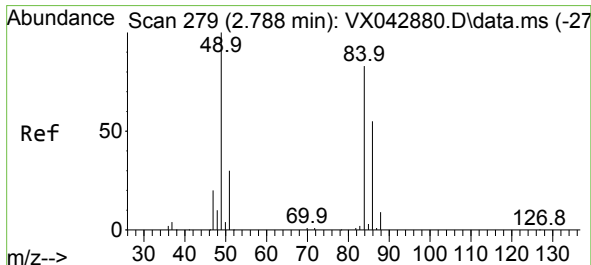
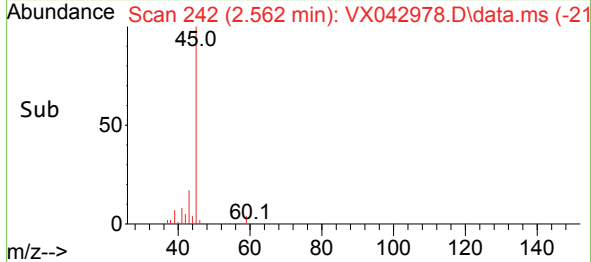
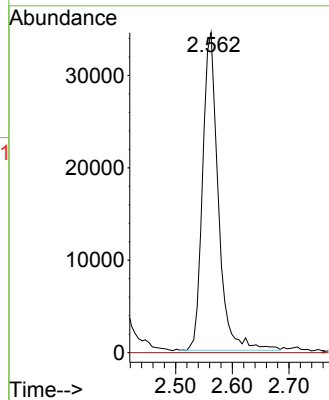
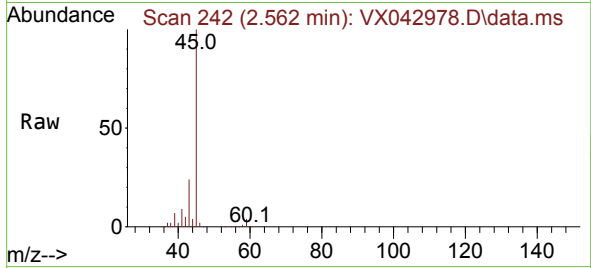




#18
Methyl Acetate
Concen: 23.314 ug/l
RT: 2.562 min Scan# 242
Delta R.T. -0.147 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

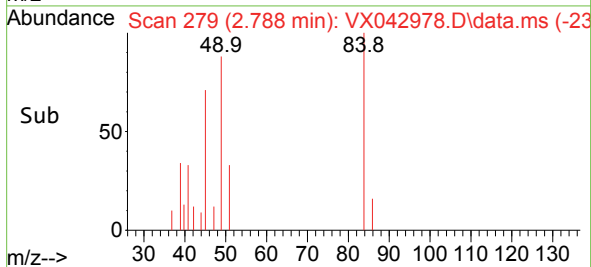
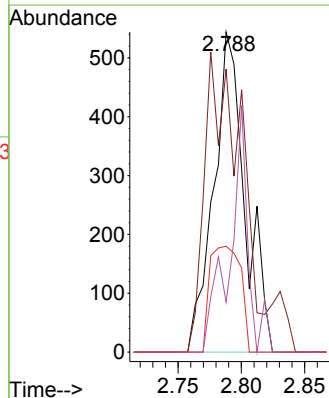
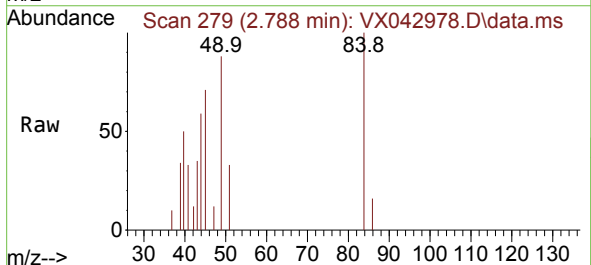
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-224-239

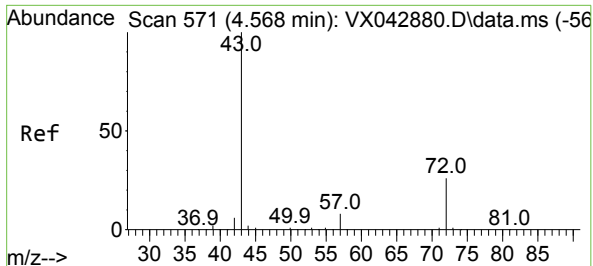
Tgt Ion: 43 Resp: 66142
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 84 Resp: 935
Ion Ratio Lower Upper
84 100
49 88.4 103.6 155.4#
51 33.1 33.8 50.6#
86 15.6 49.4 74.0#

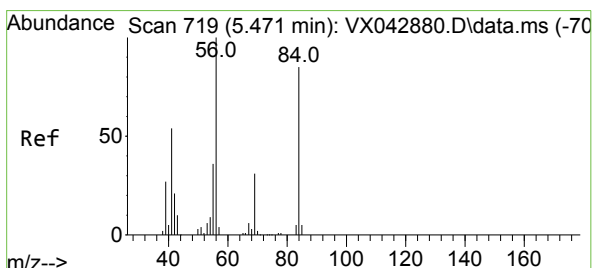
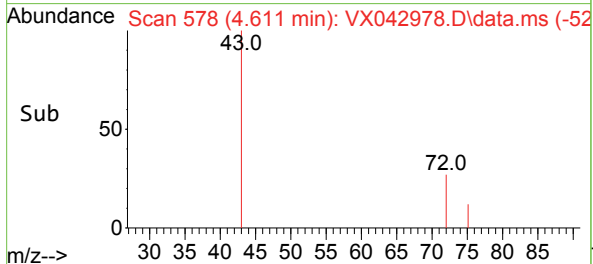
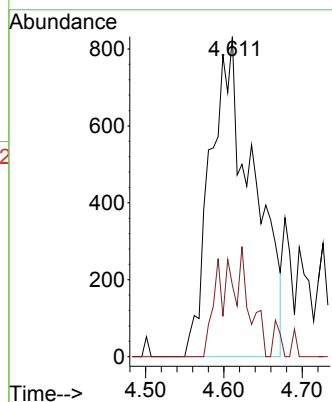
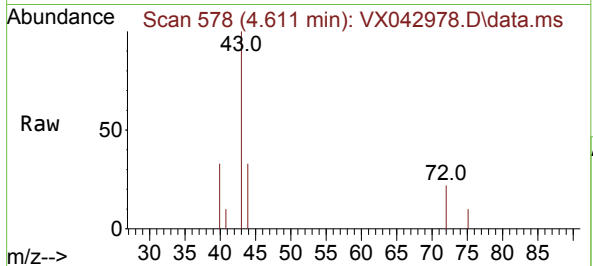




#25
2-Butanone
Concen: 2.246 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.042 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

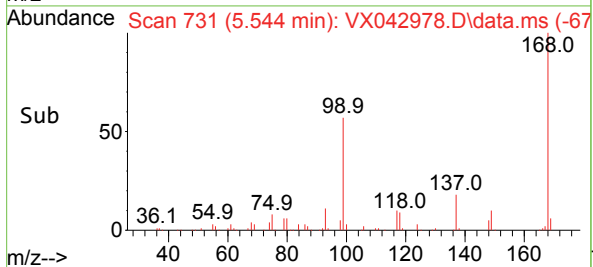
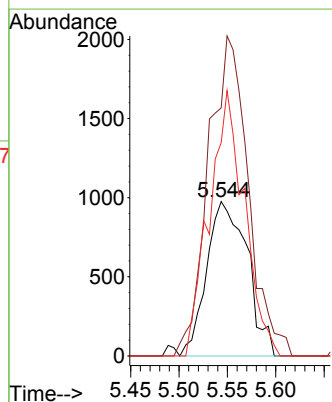
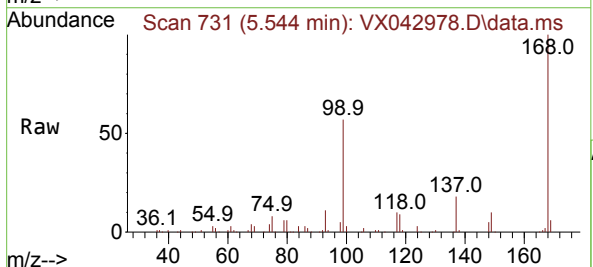
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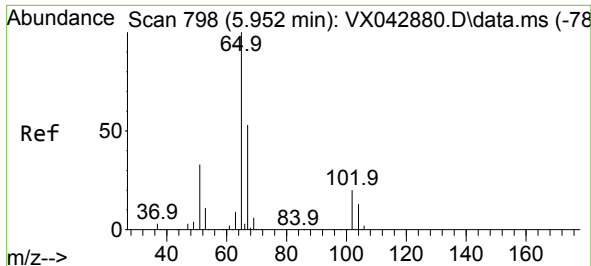
Tgt Ion: 43 Resp: 3155
Ion Ratio Lower Upper
43 100
72 22.4 19.4 29.2



#31
Cyclohexane
Concen: 1.106 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 56 Resp: 2854
Ion Ratio Lower Upper
56 100
69 152.5 23.4 35.2#
84 138.3 65.9 98.9#

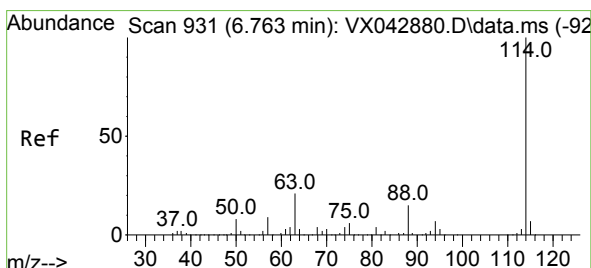
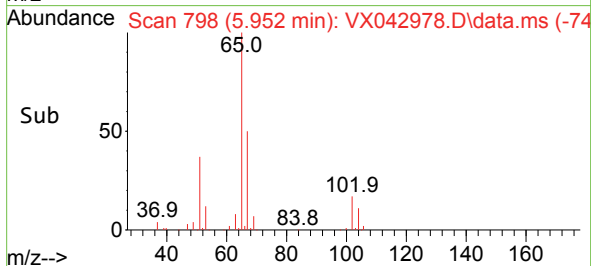
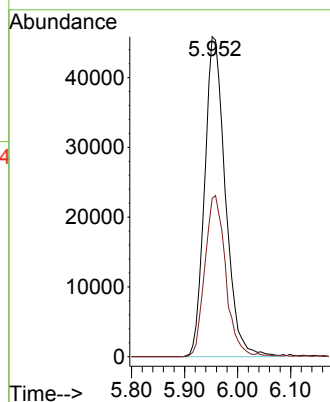
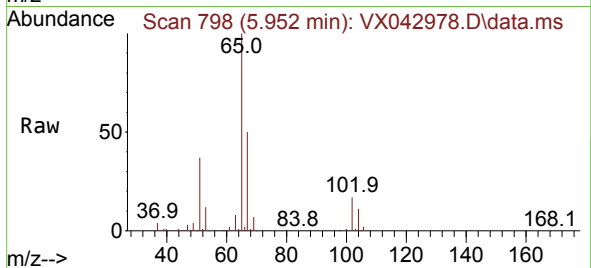




#33
1,2-Dichloroethane-d4
Concen: 60.495 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

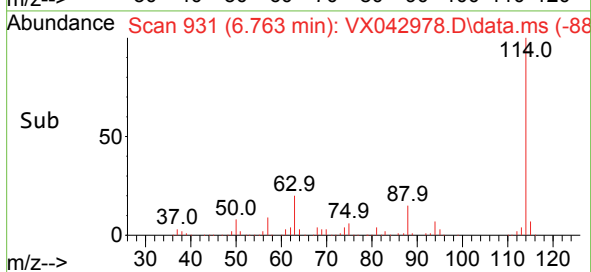
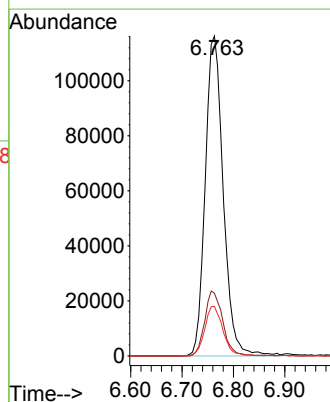
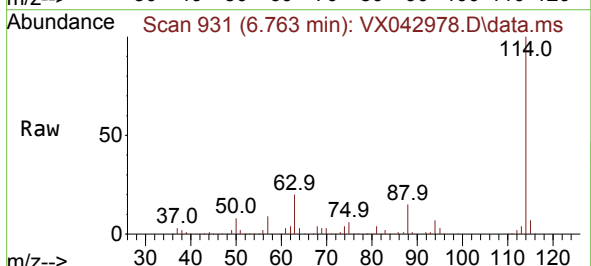
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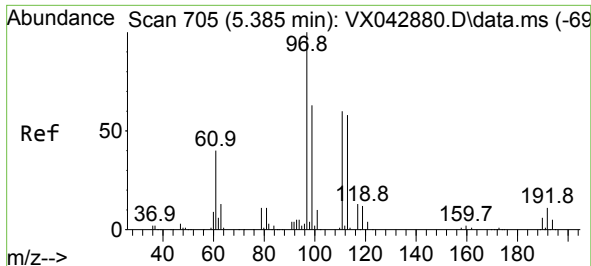
Tgt Ion: 65 Resp: 124780
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 114 Resp: 283033
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 15.4 0.0 36.6

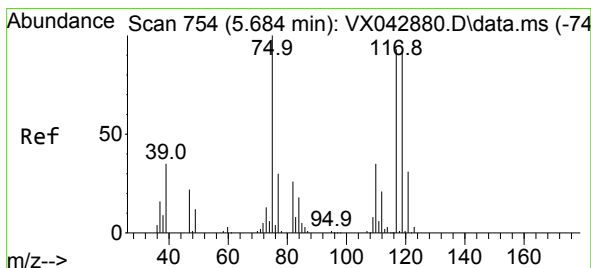
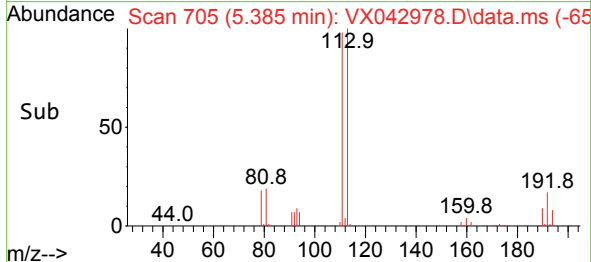
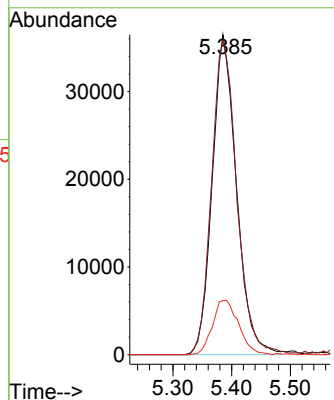
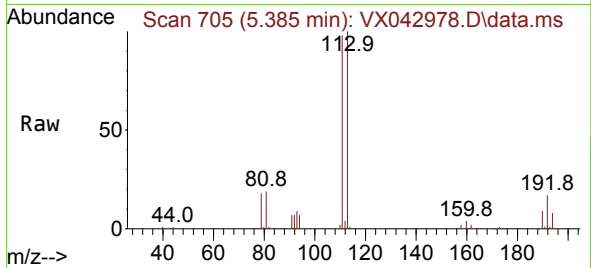




#35
Dibromofluoromethane
Concen: 56.376 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

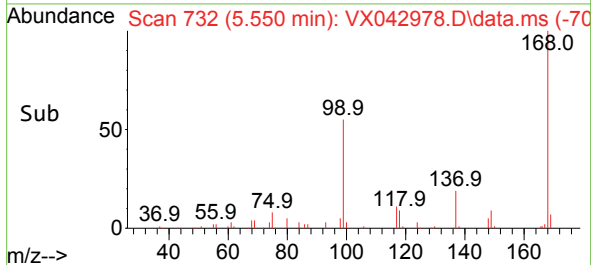
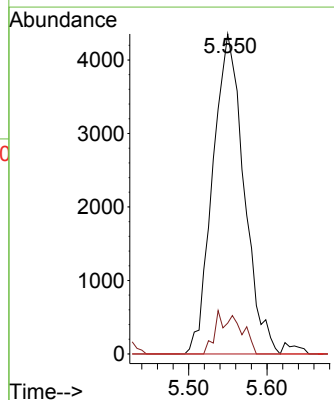
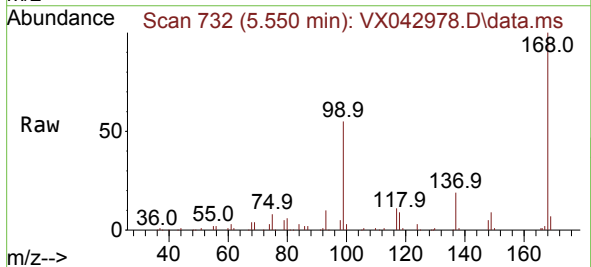
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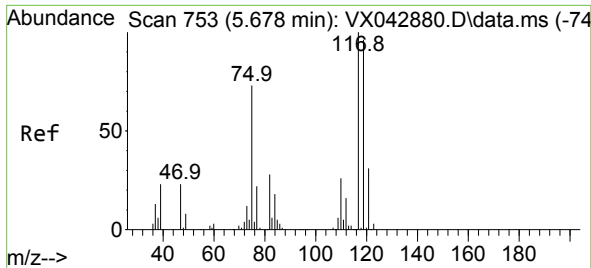
Tgt Ion:113 Resp: 104330
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.802 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

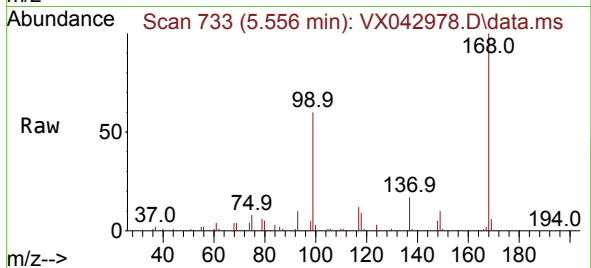
Tgt Ion: 75 Resp: 12048
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



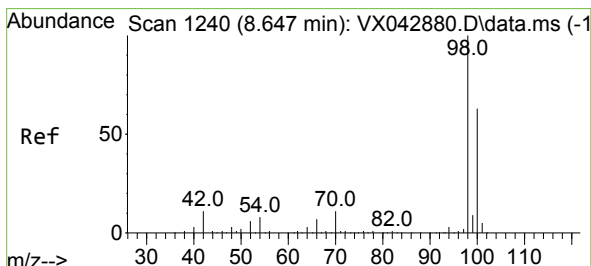
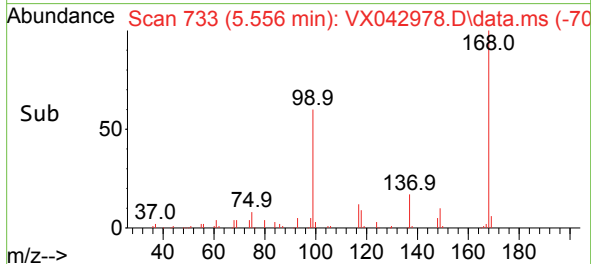
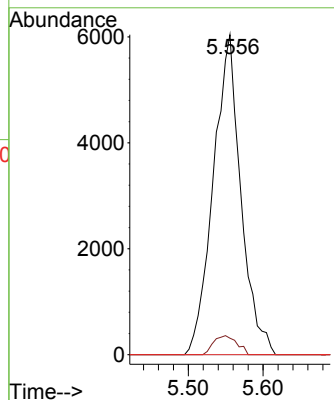


#38
Carbon Tetrachloride
Concen: 5.488 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Instrument :
MSVOA_X
ClientSampleId :
MLS-15-224-239

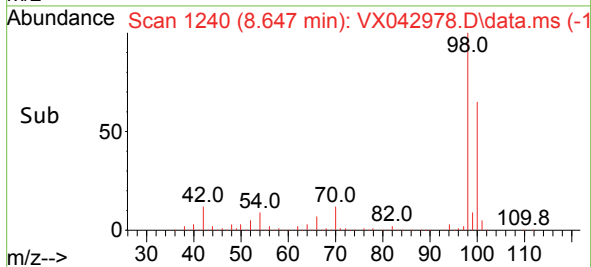
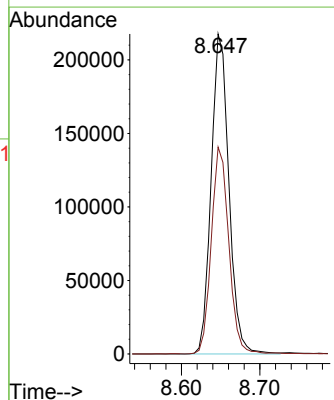
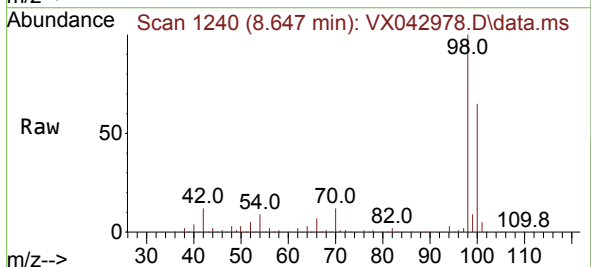


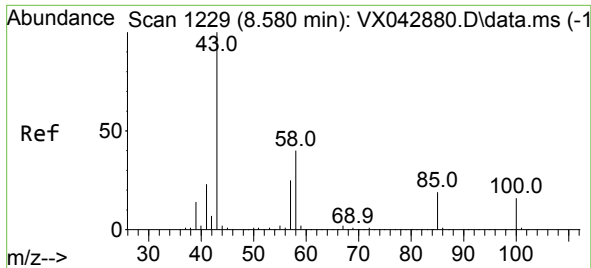
Tgt Ion:117 Resp: 15545
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 52.068 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 98 Resp: 342073
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

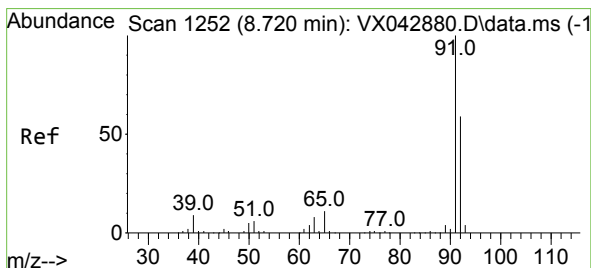
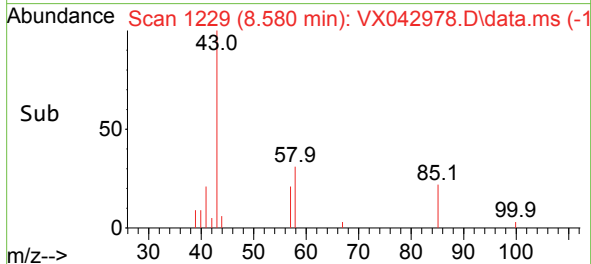
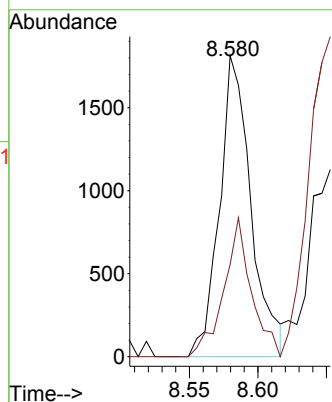
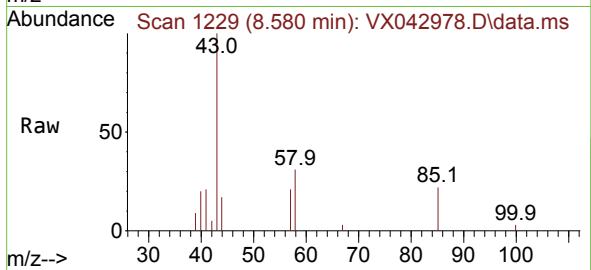




#51
4-Methyl-2-Pentanone
Concen: 0.932 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

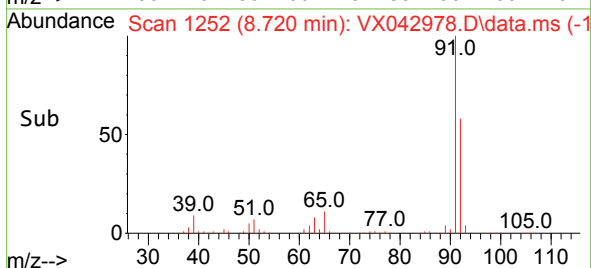
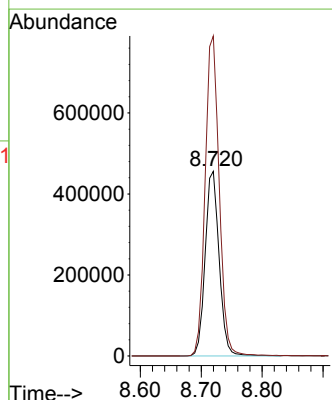
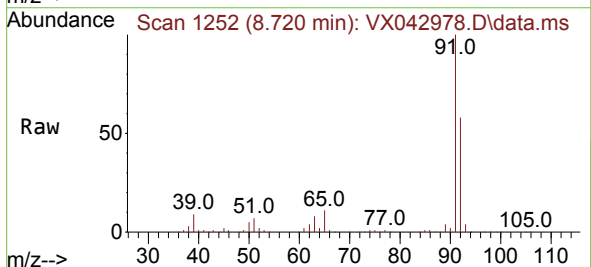
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-224-239

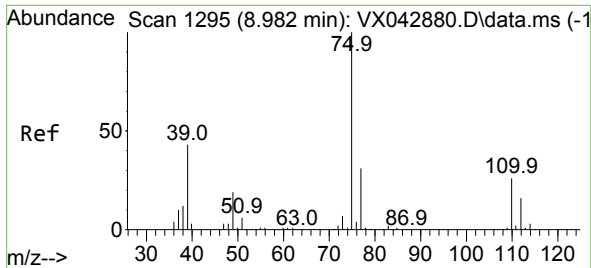
Tgt Ion: 43 Resp: 2899
Ion Ratio Lower Upper
43 100
58 40.2 30.4 45.6



#52
Toluene
Concen: 153.716 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 92 Resp: 726073
Ion Ratio Lower Upper
92 100
91 174.8 134.2 201.2

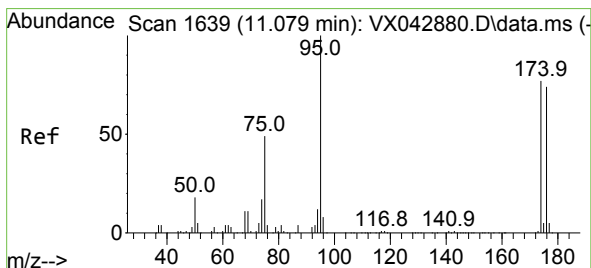
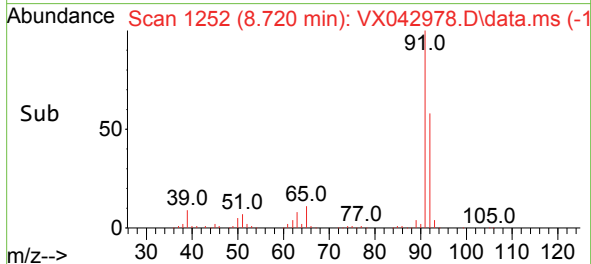
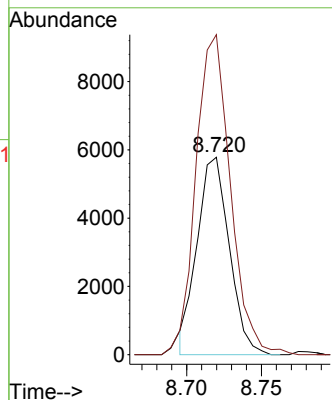
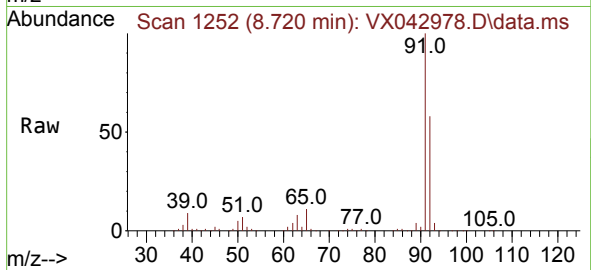




#53
t-1,3-Dichloropropene
Concen: 3.474 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.262 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

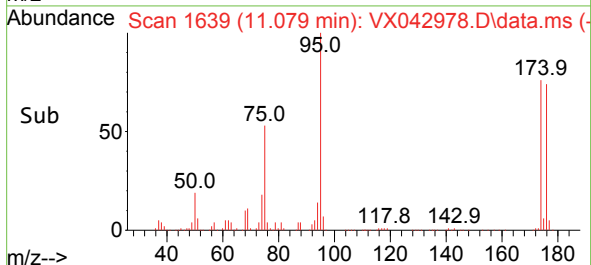
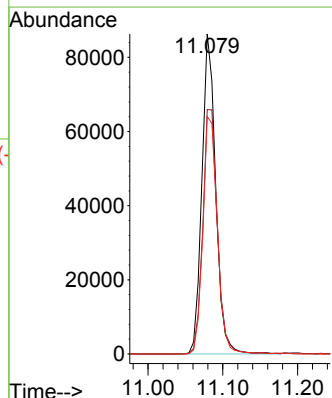
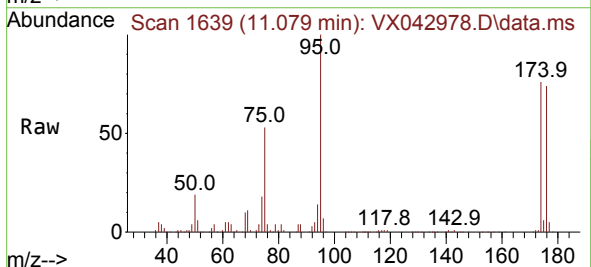
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-224-239

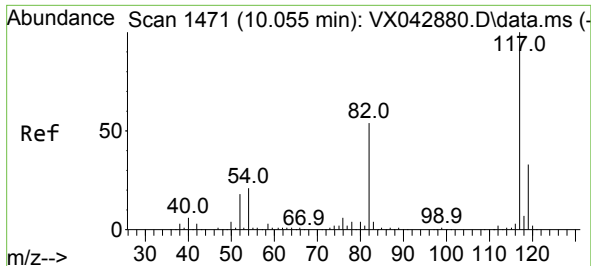
Tgt Ion: 75 Resp: 8656
Ion Ratio Lower Upper
75 100
77 159.3 25.7 38.5#



#62
4-Bromofluorobenzene
Concen: 46.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 95 Resp: 110842
Ion Ratio Lower Upper
95 100
174 80.6 0.0 135.6
176 77.7 0.0 131.0

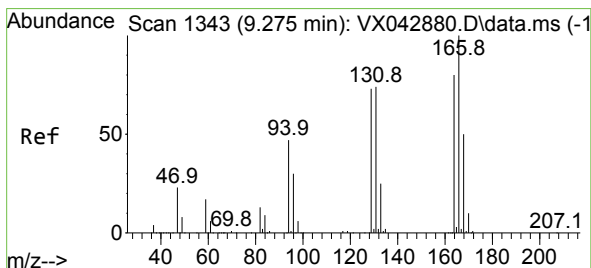
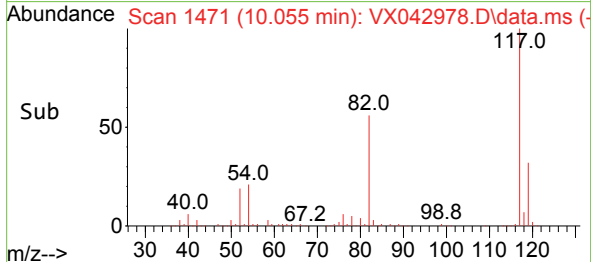
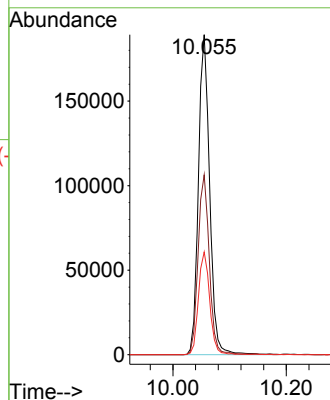
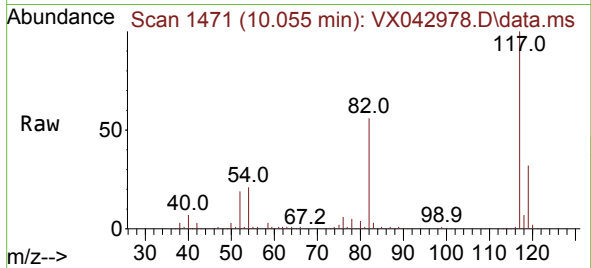




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

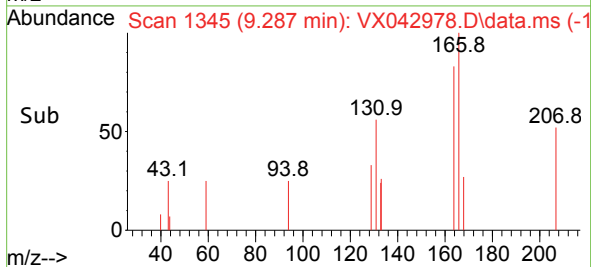
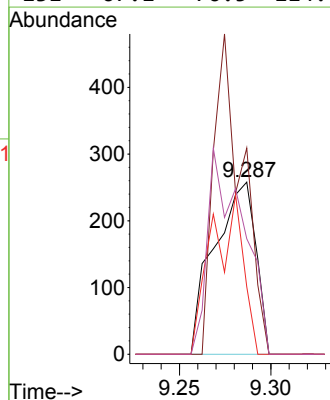
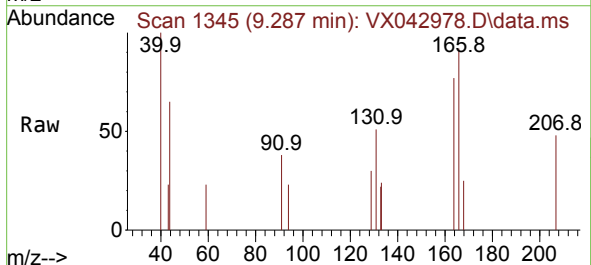
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-224-239

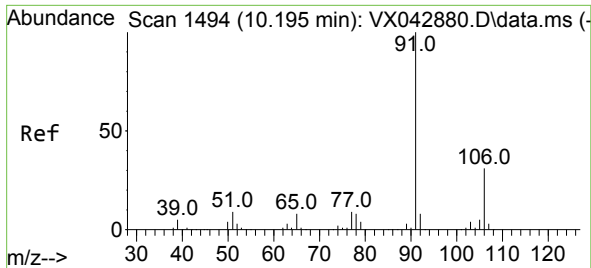
Tgt Ion:117 Resp: 260012
Ion Ratio Lower Upper
117 100
82 56.2 46.2 69.4
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 0.226 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. 0.012 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion:164 Resp: 408
Ion Ratio Lower Upper
164 100
166 119.8 102.7 154.1
129 39.1 80.4 120.6#
131 67.1 76.5 114.7#

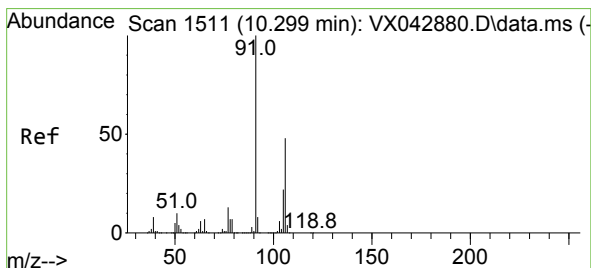
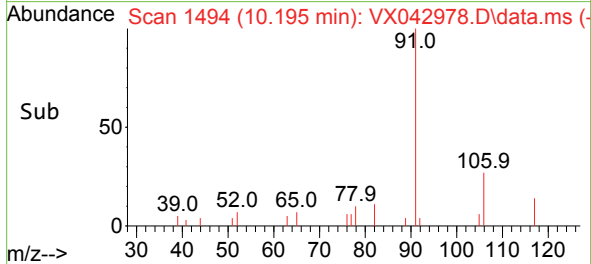
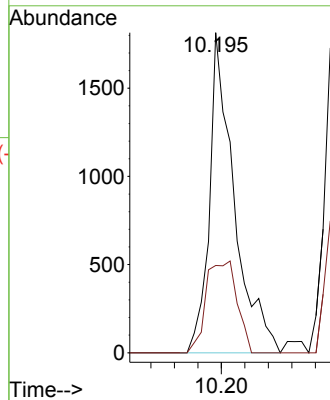
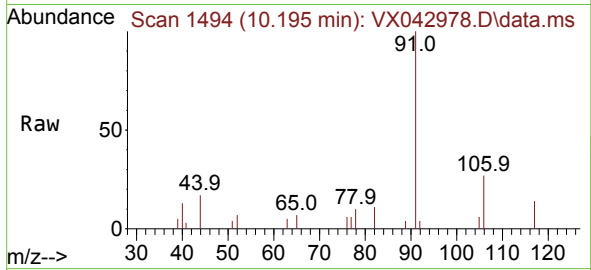




#67
Ethyl Benzene
Concen: 0.286 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

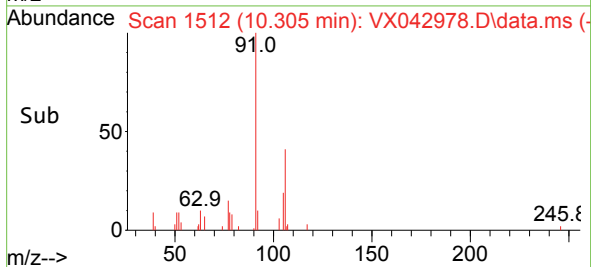
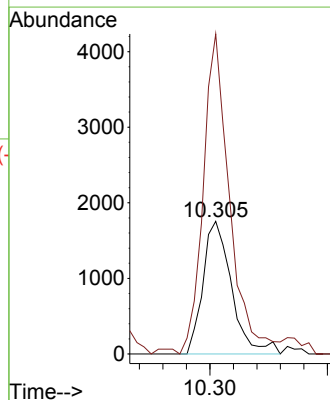
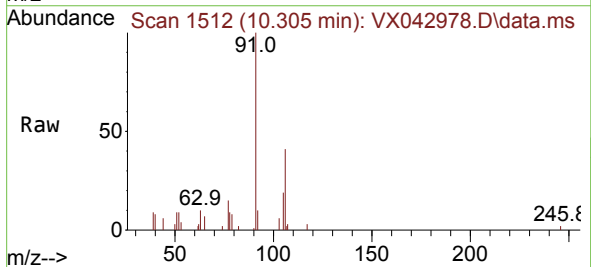
Instrument :
MSVOA_X
ClientSampleId :
MLS-15-224-239

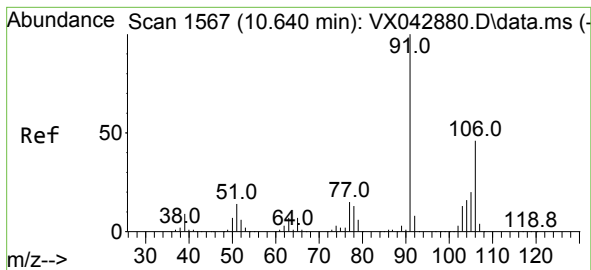
Tgt Ion: 91 Resp: 2650
Ion Ratio Lower Upper
91 100
106 27.3 24.9 37.3



#68
m/p-Xylenes
Concen: 0.837 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX042978.D
Acq: 09 Aug 2024 07:36

Tgt Ion: 106 Resp: 2964
Ion Ratio Lower Upper
106 100
91 225.4 165.5 248.3





#69

o-Xylene

Concen: 0.354 ug/l

RT: 10.646 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042978.D

Acq: 09 Aug 2024 07:36

Instrument :

MSVOA_X

ClientSampleId :

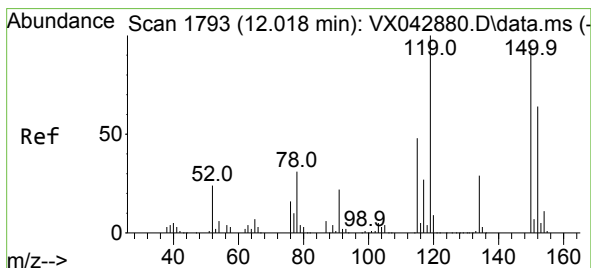
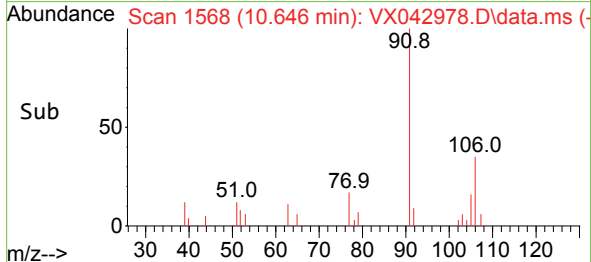
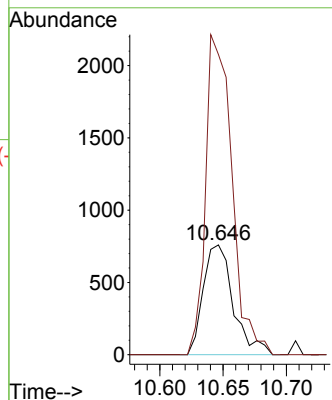
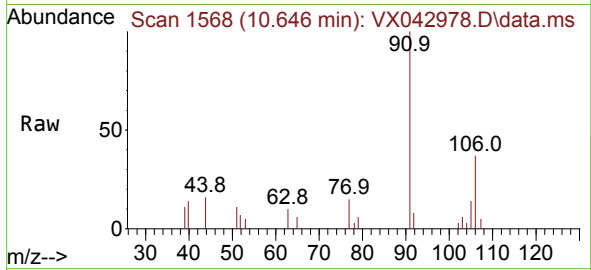
MLS-15-224-239

Tgt Ion:106 Resp: 1256

Ion Ratio Lower Upper

106 100

91 255.8 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX042978.D

Acq: 09 Aug 2024 07:36

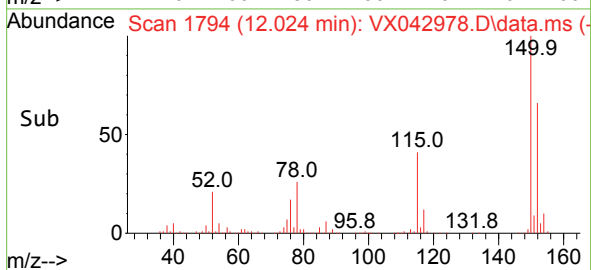
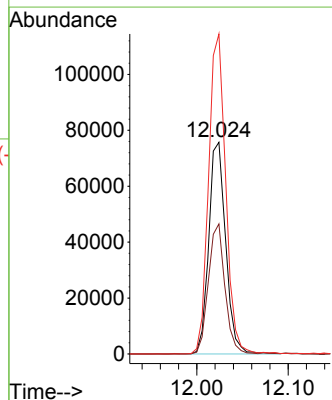
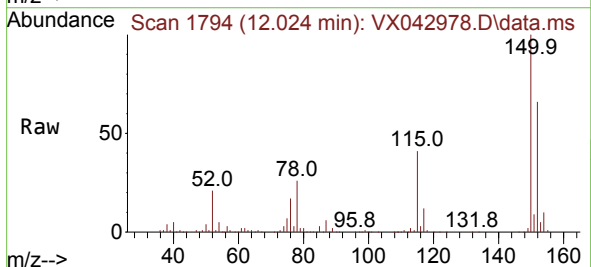
Tgt Ion:152 Resp: 97476

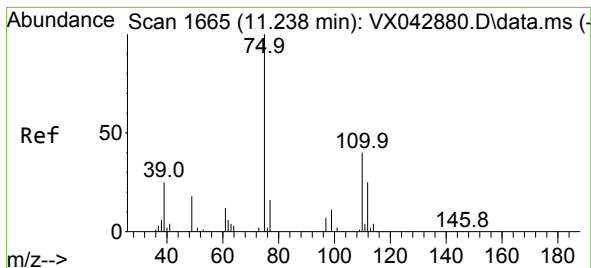
Ion Ratio Lower Upper

152 100

115 59.5 43.3 129.9

150 152.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.389 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042978.D

Acq: 09 Aug 2024 07:36

Instrument :

MSVOA_X

ClientSampleId :

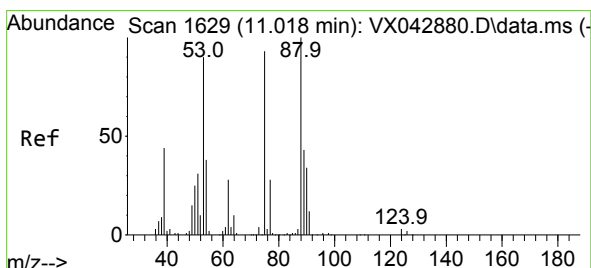
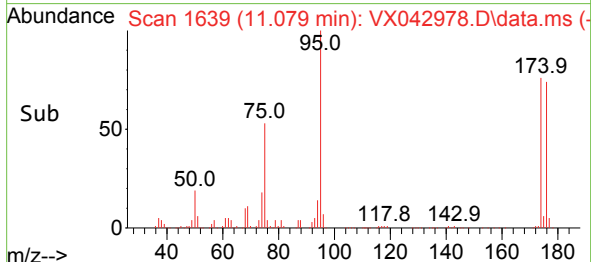
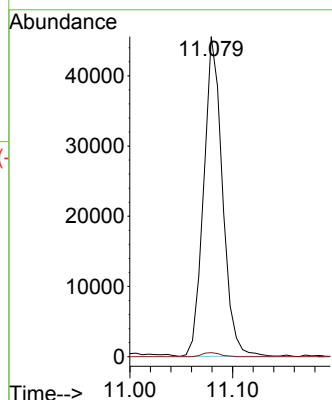
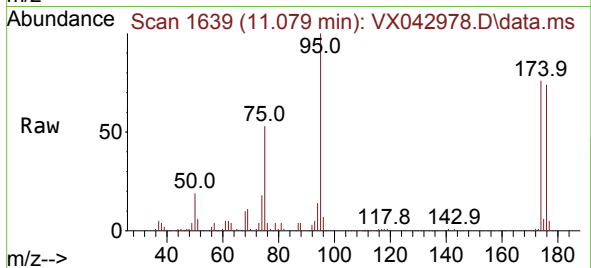
MLS-15-224-239

Tgt Ion: 75 Resp: 57851

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.806 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042978.D

Acq: 09 Aug 2024 07:36

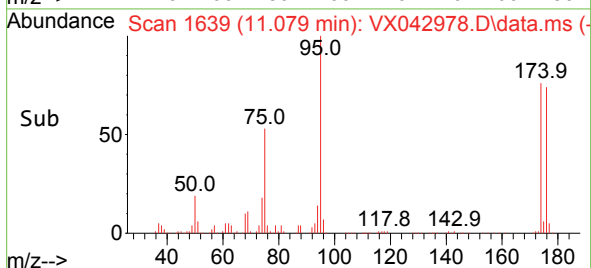
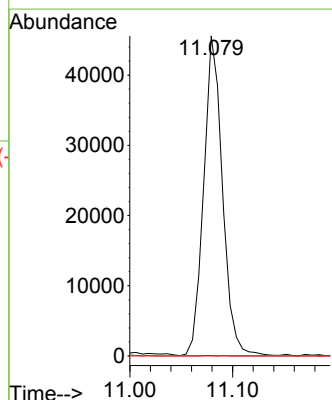
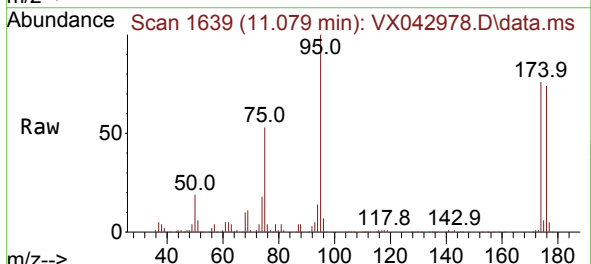
Tgt Ion: 75 Resp: 57851

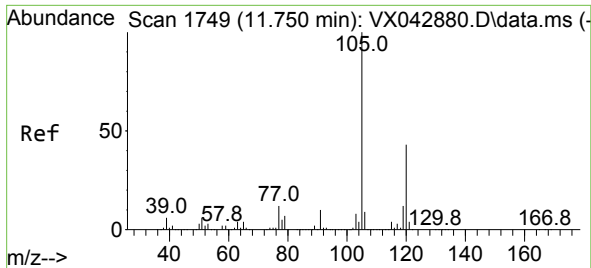
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

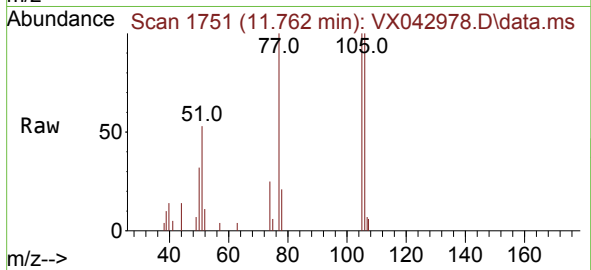
89 0.0 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.563 ug/l
 RT: 11.762 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX042978.D
 Acq: 09 Aug 2024 07:36

Instrument :
 MSVOA_X
 ClientSampleId :
 MLS-15-224-239



Tgt Ion:105 Resp: 3308
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.2 63.6#

